

STATEMENT OF BASIS (AI No. 10784)

for draft Louisiana Pollutant Discharge Elimination System permit No. **LA0093653** to discharge to waters of the State of Louisiana.

THE APPLICANT IS: Sunland Construction, Inc.
Marine Division, Delcambre Facility
315 Country Drive
Delcambre, LA 70528

ISSUING OFFICE: Louisiana Department of Environmental Quality (LDEQ)
Office of Environmental Services
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

PREPARED BY: Lisa Kemp

DATE PREPARED: February 20, 2008

1. PERMIT STATUS**A. Reason For Permit Action:**

Permit revocation and reissuance of a current Louisiana Pollutant Discharge Elimination System (LPDES) permit for a 5-year term. This facility was issued LAG480499 on April 1, 2005 - Outfall 001 – exterior vehicle and equipment washwater and previously monitored, treated sanitary wastewater from Outfall 002; Outfall 002 – treated sanitary wastewater; industrial stormwater runoff was covered by Multi-Sector General Permit sectors I and AA. Upon further review post Hurricane Rita, the treatment system was found to be damaged and the permitted outfalls were also found to be incorrect.

According to the request, wastewater drains from the washrack area in the shop, through an oil/water separator, into a subsurface pipe, which delivers it directly to the east end of the limestone rock filtration unit. Sanitary wastes are released separately from the west bank of office trailers into a septic tank, then into a lift station, then into the limestone rock filtration unit. Sanitary wastes from the west office trailer and the shop area are discharged into a second septic tank, then gravity flow into the east end of the limestone rock filtration unit. All sanitary wastes and washrack flow commingle within the rock filter, and are collected together underground, only to be pumped above grade to chlorination tablets, a settlement tank, and finally discharged into a ditch, Outfall 001.

The current permit (LAG48, issued 2001) does not allow sanitary wastewater to be commingled. It must be sampled separately. Therefore, the Department of Environmental Quality proposes to revoke the previously issued Louisiana Pollutant Discharge Elimination System (LPDES) Permit No: LAG480499 and reissue an individual LPDES permit to cover the commingled discharge of exterior vehicle and equipment washwater and treated sanitary wastewater. Stormwater runoff will be addressed by Stormwater Pollution Prevention Plan requirements included in the permit.

B. LPDES permit - LAG480499
LPDES permit effective date: April 1, 2005
LPDES permit expiration date: July 31, 2006 (coverage has been administratively extended)
EPA has not retained enforcement authority.

C. Date Application Received: January 28, 2008

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2. FACILITY INFORMATION

A. FACILITY TYPE/ACTIVITY

The facility is an oil field pipeline construction equipment storage, maintenance, and repair facility. Discharges include treated sanitary wastewater, exterior vehicle and equipment washwater, and industrial stormwater runoff.

B. FEE RATE

1. Fee Rating Facility Type: minor
2. Complexity Type: II*
3. Wastewater Type: II
4. SIC code: 1623, 1389, 3498

*The points for this facility have been BPJ'd to 0 because of the low volume of wastewater discharged.

C. LOCATION - 315 Country Road, in Delcambre, Iberia Parish Latitude 29° 56' 8", Longitude 91° 59' 16"

3. OUTFALL INFORMATION

Outfall 001

Discharge Type:	exterior vehicle and equipment washwater and treated sanitary wastewater
Treatment:	oil/water separator (exterior vehicle and equipment washwater), septic tank (sanitary), filtration, and chlorination
Location:	at the point of discharge from the holding tank
Flow:	estimated 770 gpd (sanitary: 22 employees @ 20gpd = 440 gpd and estimated 300 gpd washwater)
Discharge Route:	to Delcambre Canal via local drainage

Outfalls 002 and 003

These outfalls were designated for the discharge of stormwater runoff in the applicant's request letter. Stormwater runoff will be addressed by Stormwater Pollution Prevention Plan requirements (see Narrative Requirements of the Draft Permit). Therefore, these outfalls have not been included in the permit.

4. RECEIVING WATERS

STREAM - to Delcambre Canal via local drainage

BASIN AND SEGMENT - Vermilion-Teche River Basin, Segment 060902

DESIGNATED USES -

- a. primary contact recreation
- b. secondary contact recreation
- c. propagation of fish and wildlife

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5. TMDL STATUS

Subsegment 060902, Bayou Carlin (Delcambre Canal) - Lake Peigneur to Bayou Petite Anse (Estuarine), is not listed on LDEQ's Final 2004 303(d) list as impaired. However, subsegment 060902 was previously listed as impaired for suspended solids/turbidity/siltation and Carbofuran, for which the below TMDL's have been developed. The Department of Environmental Quality reserves the right to impose more stringent discharge limitations and/or additional restrictions in the future to maintain the water quality integrity and the designated uses of the receiving water bodies based upon additional TMDL's and/or water quality studies. The DEQ also reserves the right to modify or revoke and reissue this permit based upon any changes to established TMDL's for this discharge, or to accommodate for pollutant trading provisions in approved TMDL watersheds as necessary to achieve compliance with water quality standards.

The following TMDL's have been established for subsegment 060902:

Suspended Solids/Turbidity/Siltation

As per the *TMDL for TSS, Turbidity and Siltation for the 15 Subsegments in the Vermilion River Basin* which was finalized on May 5, 2002, point sources do not represent a significant source of TSS as defined in this TMDL. Because effective policies are in place to limit TSS discharges, no specific reductions from point sources are required. Point sources discharge primarily organic TSS, which does not contribute to habitat impairment resulting from sedimentation. This TMDL only addresses the landform contribution of TSS/sediment and does not address the insignificant point source contributions.

As per the October 2000 LA TMDL Delist (Federal Register Notice: Vol. 66, Num. 66, pages 18087-18089, 4/5/2001), assessment of new data and information shows this segment is meeting water quality standards for turbidity. Therefore, requirements for turbidity will not be placed in this permit.

Carbofuran

According to the *TMDL for the Pesticide Carbofuran in the Mermentau and Vermilion Teche River Basins* which was finalized on March 21, 2002, there is one point source in the Vermilion-Teche (FMC Corp. LA0064360) but they do not discharge Carbofuran. Therefore, no allocation was given to point source discharges in the Vermilion-Teche River Basin for the pesticide Carbofuran. This facility is not expected to discharge pesticides.

6. PROPOSED EFFLUENT LIMITS

BASIS - See Rationale, page 7.

Changes from the previous permit:

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1. The wastewater description for Outfall 001 has been changed to exterior vehicle and equipment washwater and treated sanitary wastewater.
2. Outfall 002, treated sanitary wastewater, has been deleted.
3. Stormwater runoff will be covered by the Stormwater Pollution Prevention Plan requirements.

7. COMPLIANCE HISTORY/COMMENTS

- A. OEC – A Warning Letter (WE-L-06-0379) was issued to this facility on December 7, 2006 for failure to submit DMR reports. A response letter dated January 5, 2007, submitted on behalf of Sunland Construction by Mr. Marcus Guidry of Marcus Guidry & Associates (MFGA), states that MFGA has been contracted to aid Sunland in complying with sampling and reporting requirements.
- B. DMR Review/Excursions – DMRs on file for the period January 1, 2007 through September 30, 2007 were reviewed and the following violation was noted*:

Date	Parameter	Outfall	Reported Value	Permit Limits
June, 2007	TSS	Outfall 002	95 mg/L	45 mg/L

* The sanitary wastestream was disconnected from the rock filter in an effort to sample the sanitary wastewater separately. The sanitary wastewater has now been reconnected to the rock filter.

8. EXISTING EFFLUENT LIMITS – LAG480499

Outfall 001 – exterior vehicle and equipment washwater and previously monitored, treated sanitary wastewater from Outfall 002

Effluent Parameter	Monthly Average	Daily Maximum	Measurement Frequency
Flow - GPD	Report	Report	1/3 months
TSS	---	45 mg/l	1/3 months
COD	200 mg/l	300 mg/l	1/3 months
Oil and Grease	---	15 mg/l	1/3 months
Soaps and/or Detergents	Report	N/A	1/3 months
pH – Allowable Range (Standard Units)	6.0 (Minimum)	9.0 (Maximum)	1/3 months
Visible Sheen	---	No Presence	1/day

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Outfall 002 – treated sanitary wastewater

Effluent Parameter	Monthly Average	Weekly Average	Measurement Frequency
Flow - GPD	Report	Report	1/6 months
BOD5	---	45 mg/l	1/6 months
TSS	---	45 mg/l	1/6 months
Fecal Coliform Colonies/100 ml	---	400	1/6 months
pH – Allowable Range (Standard Units)	6.0 (Minimum)	9.0 (Maximum)	1/6 months

Industrial stormwater runoff is covered by Multi-Sector General Permit Sectors I and AA.

9. ENDANGERED SPECIES

The receiving waterbody, Subsegment 060902 of the Vermilion-Teche Basin is not listed in Section II.2 of the Implementation Strategy as requiring consultation with the U.S. Fish and Wildlife Service (FWS). This strategy was submitted with a letter dated October 24, 2007 from Boggs (FWS) to Brown (LDEQ). Therefore, in accordance with the Memorandum of Understanding between the LDEQ and the FWS, no further informal (Section 7, Endangered Species Act) consultation is required. The effluent limitations established in the permit ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat. Therefore, the issuance of the LPDES permit is not likely to have an adverse effect on any endangered or candidate species or the critical habitat.

10. HISTORIC SITES

The discharge is from an existing facility location, which does not include an expansion on undisturbed soils. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the "Memorandum of Understanding for the Protection of Historic Properties in Louisiana Regarding LPDES Permits" no consultation with the Louisiana State Historic Preservation Officer is required.

11. TENTATIVE DETERMINATION

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to issue a permit for the discharge described in the application.

12. PUBLIC NOTICES

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

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Public notice published in:

Local newspaper of general circulation

Office of Environmental Services Public Notice Mailing List

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Rationale for Sunland Construction, Inc.

1. **Outfall 001** - exterior vehicle and equipment washwater and treated sanitary wastewater (estimated flow is 770 gpd)

<u>Pollutant</u>	<u>Limitation</u> Mo. Avg: Daily Max (mg/l, unless noted)	<u>Reference</u>
Flow (gpd)	Report: Report	LAC 33:IX.2707.I.1.b
BOD ₅	---: 45 (Wkly Avg)	LAG750000
COD	200 : 300	previous permit; LAG480000
TSS	---: 45	previous permit; LAG480000
Oil & Grease	---: 15	previous permit; LAG480000
Fecal Coliform (colonies/100 ml)	---: 400 (Wkly Avg)	LAG750000
Soaps and/or Detergents	Report : N/A	previous permit; LAG480000
pH – Allowable Range	6.0 : 9.0 s. u. (min) (max)	previous permit; LAG480000

Treatment: oil/water separator (exterior vehicle and equipment washwater), septic tank (sanitary), filtration, and chlorination

Monitoring Frequency: 1/3 months for flow, COD, TSS, oil & grease, pH, and soaps/detergents and 1/6 months for BOD₅ and Fecal Coliform

Limits Justification: Effluent limitations for BOD₅ and Fecal Coliform are based on LPDES Permit No. LAG750000 – Exterior Vehicle Wash Wastewater; Outfall 004 – Commingled Discharges of Treated Vehicle Wash and Sanitary Wastewater (Less than 25,000 gpd). All other limitations are based on the previous permit, LAG480000, effective August 1, 2001, Schedule B - Exterior Vehicle and Equipment Washing

EPA Guidelines for Metal Products and Machinery (40 CFR Part 438) are applicable; however, more stringent state requirements are being placed in the permit.

su Standard Units

NOTE

For outfalls containing concentration limits, the usage of concentration limits is based on BPJ for similar outfalls since the flow is variable and estimated.

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STORM WATER POLLUTION PREVENTION PLAN (SWP3) REQUIREMENT

A SWP3 is included in the permit because in accordance with LAC 33:IX.2511.A.1, storm water discharges shall not be required to obtain an LPDES permit "... except... discharges associated with industrial activity." In accordance with LAC 33:IX.2511.B.14.a-k, facilities classified as SIC codes 1623, 1389, 3498 are considered to have storm water discharges associated with industrial activity.

The SWP3 shall be prepared, implemented, and maintained within (6) months of the effective date of the final permit. The plan should identify potential sources of storm water pollution and ensure the implementation of practices to prevent and reduce pollutants in the storm water discharges associated with industrial activity at the facility (see Narrative Requirements for the AI).